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# TECHNICAL MEMORANDUM

## Utah Coal Regulatory Program

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June 18, 2013

TO: Internal File

THRU: James Owen, Lead 

FROM: Amanda Daniels, Hydrologist AD

RE: Expansion of Lift #5, Canyon Fuel Company, Sufco Mine, C/041/0002, Task #4335

### SUMMARY:

On May 28, 2013 the Utah Division of Oil Gas & Mining received an application for an amendment to the Mining & Reclamation Plan (MRP) of the Sufco Mine. The application seeks approval to increase the area of Lift #5 at the Waste Rock Disposal Site.

This memo addresses the application's compliance with the hydrology (R645-301-700) section of the Utah Coal Mining Rules. Contents and information provided are sufficient to meet the requirements of this section of the Utah Coal Mining Rules.

The amendment is recommended for approval.

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**TECHNICAL ANALYSIS:**

**OPERATION PLAN**

**HYDROLOGIC INFORMATION**

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

**Analysis:**

Ditch No. 1 will be moved to the perimeter of the expanded lift #5, and constructed according to the currently approved designed ditch. The existing ditch, lined with concrete, will be broken up and left in place. The debris will be covered by the expanded lift. Design calculations for the ditch are included in Appendix III.

In a previous storm a berm was breeched on the existing subsoil stockpile. During the construction for the expansion of lift #5, subsoil from the breeched berm will be collected and replaced on the subsoil stockpile. This area was inspected on May 1, 2013 and the proposed work to replace the subsoil is as discussed during the inspection.

**Findings:**

Contents and information provided are sufficient enough to meet the minimum requirements of the hydrology section of the Utah Coal Mining Rules.

**RECOMMENDATIONS:**

The amendment is recommended for approval.